

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS
PATENT OF THE UNITED STATES IS:

- 5 1. A liquid crystal display comprising:
 a liquid crystal layer; and
 alignment layers sandwiching said liquid crystal layer, comprising an alignment
layer surface divided into a plurality of regions, each of said plurality of regions
including a plurality of pixel units, with orientations of said alignment layers in adjacent
10 said regions being different.
2. The liquid crystal display according to claim 1, wherein one of said regions
comprises a letter.
- 15 3. The liquid crystal display according to claim 1, wherein one of said regions
comprises a visible figure.
4. The liquid crystal display according to claim 1, wherein a long side of a
minimum hypothetical rectangular containing one of said regions is equal to or larger
20 than 0.1 millimeter.
5. The liquid crystal display according to claim 3, wherein said figure comprises
square.
- 25 6. The liquid crystal display according to claim 1, wherein said liquid crystal
layer is driven at a maximum voltage less than a saturation voltage of said liquid crystal
layer.
7. The liquid crystal display according to claim 6, wherein said maximum
30 voltage V_m and said saturation voltage V_s have a following relation:
 $0.005V_s \leq V_m \leq 0.7V_s$.

8. The liquid crystal display according to claim 1, wherein a region of said plurality of regions of said alignment layers comprises a unique orientation.

5 9. The liquid crystal display according to claim 1, wherein a region of said plurality of regions of said alignment layers having a same color element comprises a unique orientation.

10. A liquid crystal display comprising:
a liquid crystal layer; and
10 alignment layers sandwiching said liquid crystal layer, said alignment layers comprising surfaces divided into a plurality of regions having different orientation directions, a first ratio of areas of two regions of said plurality of regions in a first pixel being different from a second ratio of areas of said two regions of said plurality of regions in a second pixel.

15 11. The liquid crystal display according to claim 10, wherein a region of said two regions comprises a letter.

20 12. The liquid crystal display according to claim 10, wherein a region of said two regions comprises a visible figure.

13. A liquid crystal display comprising:
a liquid crystal layer;
alignment layers sandwiching said liquid crystal layer; and
25 a driving circuit configured to drive said liquid crystal layer,
wherein an image formed in said liquid crystal layer by said driving circuit is displayed at a front direction and a fixed image independent of said driving circuit is displayed at an oblique direction.

30 14. The liquid crystal display according to claim 13, wherein said alignment layers comprise a plurality of regions having different orientations.

15. The liquid crystal display according to claim 13, wherein said fixed image comprises a letter.

16. The liquid crystal display according to claim 13, wherein said fixed image
5 comprises a visible figure.

17. The liquid crystal display according to claim 13, wherein said fixed image comprises a color.

10 18. A liquid crystal display comprising:
a liquid crystal layer;
alignment layers sandwiching said liquid crystal layer; and
a driving circuit configured to drive said liquid crystal layer,
wherein an image formed in said liquid crystal layer by said driving circuit is
15 displayed at a first direction normal to said liquid crystal layer and a fixed image
independent of said driving circuit is displayed at a second direction.

19. A liquid crystal display comprising:
a first liquid crystal layer displaying an image determined by a driving circuit;
20 a second liquid crystal layer; and
alignment layers sandwiching said second liquid crystal layer, said alignment
layer including regions displaying a visible figure, with orientations of adjacent of said
regions being different.

25 20. A liquid crystal display comprising:
a liquid crystal layer;
a pair of substrates sandwiching said liquid crystal layer; and
a driving circuit configured to drive said liquid crystal layer,
wherein an image formed in said liquid crystal layer by said driving circuit is
30 displayed at a front direction and a fixed image independent of said driving circuit is
displayed at an oblique direction.

21. The liquid crystal display according to claim 20, wherein said substrates
comprise glass.

22. The liquid crystal display according to claim 20, wherein said driving circuit
5 is formed on said substrate.

23. The liquid crystal display according to claim 20, wherein said driving circuit
is formed separate from said substrate.

10 24. A terminal device comprising:
a liquid crystal layer;
a pair of substrates sandwiching said liquid crystal layer; and
a driving circuit configured to drive said liquid crystal layer,
wherein an image formed by said driving circuit is displayed at a front direction
15 and a fixed image independent of said driving circuit is displayed at an oblique
direction.

25. A portable terminal device comprising:
a liquid crystal layer;
20 a pair of substrates sandwiching said liquid crystal layer; and
a driving circuit configured to drive said liquid crystal layer,
wherein an image formed by said driving circuit is displayed at a front direction
and a fixed image independent of said driving circuit is displayed at an oblique
direction.

25 26. A method of forming a liquid crystal display device, comprising:
orienting a first portion of a first substrate in a first direction;
orienting a second portion of said first substrate in a second direction;
coating said first portion and said second portion of said first substrate with a
30 liquid crystal layer;
sandwiching said a liquid crystal layer between said first substrate and a second
substrate; and

driving said liquid crystal layer with a driving circuit to form an image.

27. The method according to claim 26, further comprising:

orienting a third portion of said second substrate in a third direction; and

5 orienting a fourth portion of said second substrate in a fourth direction.

28. The method according to claim 27, wherein said fourth direction is perpendicular to said second direction and said third direction is perpendicular to said first direction after said sandwiching step.

10

29. The method according to claim 26, wherein said first portion of said first substrate comprises an image.

30. The method according to claim 26, wherein said first portion of said first substrate comprises a logo.

15

31. A liquid crystal display comprising:

a liquid crystal layer; and

means for sandwiching said liquid crystal layer, comprising at least two portions each comprising a different means for aligning an orientation of said liquid crystal layer sandwiched by said respective portion.

20